

REPLACEMENT
 USSN 09/857,557
 DuPont Docket No.: BB1297USPCT
 Sheet 1 of 3

FIG. 1A

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SEQ ID NO: 21  AP-----
SEQ ID NO: 22  MALNLMA-PTEIKTSLFDDSSKSN-YNLNPLKFGGFAFKRDSRCTAAKRVHCSAQSQS
SEQ ID NO: 16  MAALKASFRGELSAASFLDSSRG-PL-----VQHKVDFTQKGRALSLRRTCCSMQQAAP
SEQ ID NO: 06  MALKVVSFPGDLAAVSFLDSNRGGAF-----NQLKVDLPFQTRDRRAVSLRRTCCSMQQAAP
SEQ ID NO: 18  MMALNISSPAEVKSIFFADSFKSNCLTAK---FSGGFAFKRKERRAASGGRVYCSVQATP
SEQ ID NO: 08  MAINLPS-PAQVKPLFFSSN-----NSTKLPGSFSLKRRKSDITVERRVYCSAAQS
SEQ ID NO: 20  TS-----SFSLLELSSGTTSSRRGAAPRQHQKVDLTFORRDKRAAYLR-TCCSMQQGP
1
60

SEQ ID NO: 21  -----R-QSWDGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
SEQ ID NO: 22  PPPAWPGRAPFEPGR-MTWEGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
SEQ ID NO: 16  PP-ANPGRVAEPGR-RSWDGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
SEQ ID NO: 06  PP-ANPGRVAEPGR-RSWDGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
SEQ ID NO: 18  PPPAWPGRVAPBQGR-KTWDGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
SEQ ID NO: 08  PPPAWPGTAIPEPSDFKTWDGQKPISVLSTGSIQTQLSIVAEFPERFKVVSALAAGSNI
SEQ ID NO: 20  PP-ANPGRVAEPGR-RSWEGPKPISIVGSTGSIQTQLDIVAENPDKFRVVALAAGSNV
61
120

SEQ ID NO: 21  ***** ** * ** ** ** ** ***** ** ** * **
SEQ ID NO: 22  TLLADQVRRFRFKPALVAVRNESLNLKEALADLDYKLEIIPGEQGVIEVARHPDAVTVT
SEQ ID NO: 16  TLLADQ-KAFKPKLVSVKDESLISELKEALAGFEDMPEIIPGEQGMIEVARHPDAVTVT
SEQ ID NO: 06  TLLADQVKTFKPKLVAVRNESLVDELKEALADCEKPEIIPGEQGVIEVARHPDAVTVT
SEQ ID NO: 18  TLLADQVKTFKPKLVAVRNESLVDELKEALADCDWKPEIIPGEQGVIEVARHPDAVTVT
SEQ ID NO: 08  TLLADQVKRFKPKLVAVRNESLVAELEALHDVEEKPEIIPGEQGVIEVARHPDAVTVT
SEQ ID NO: 20  TLLADQIKTFKPEVVGLRNESLIDELKEALADVDHKPEIIPGEQGVIEARHPDAVTVT
121
180

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REPLACEMENT
USSN 09/857,557
DuPont Docket No.: BB1297USPCT
Sheet 2 of 3

FIG. 1B

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*****
SEQ ID NO:21 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLANKHNVKILPADSEHSAIFQC *****
SEQ ID NO:22 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAKHNVKILPADSEHSAIFQC *****
SEQ ID NO:16 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHVKILPADSEHSAIFQC *****
SEQ ID NO:06 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAQKHVKILPADSEHSAIFQC *****
SEQ ID NO:18 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAQKHVKILPADSEHSAIFQC *****
SEQ ID NO:08 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHVKILPADSEHSAIFQC *****
SEQ ID NO:20 GIVGCAGLKPTVAAIEAGKDIALANKETLIIAGGPFVPLAHKHVKILPADSEHSAIFQC *****
181 240

**** * * * * **** * * * * **** * * * * **** *
SEQ ID NO:21 IQGLPEGALRKIIILTASGGAFRDWPVEKLEKVKVADALKHPNWNMGKKITVDSATLF-NK ****
SEQ ID NO:22 IQGLPEGALRKIIILTASGGAFRDLPVEKLEKVKVADALKHSNWNMGKKNTVRLQLFPNK ****
SEQ ID NO:16 IQGLSEGALRKIIILTASGGAFRDWPVDRLKOVKVADALKHPNWNMGKKITVDSATLF-NK ****
SEQ ID NO:06 IQGLPEGALRKIIILTASGGAFRDWPVDKLEKVKVADALKHPNWNMGKKITVDSATLF-NK ****
SEQ ID NO:18 IQGLPEGALRKIIILTASGGAFRDWPVDKLEKVKVADALKHPNWNMGKKITVDSATLF-NK ****
SEQ ID NO:08 IQGLPKGALRKIIILTASGGAFRDWPVEKMDIKLADALKHPNWNMGKKITVDSATLF-NK ****
SEQ ID NO:20 IQGLSEGSLRRVILTASGGAFRDWPVEKLEKVKVADALKHPNWNMGKKITVDSATLF-NK ****
241 300

*****
SEQ ID NO:21 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYTMSPD *****
SEQ ID NO:22 GLEVIKAHYLFGAHYDDIEIVIHQPSIIHSMVETQDSSVLAQLGWPDMLPILYTLSPWE *****
SEQ ID NO:16 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMVETQDSSVLAQLGWPDMLPILYTLSPD *****
SEQ ID NO:06 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYTMSPD *****
SEQ ID NO:18 GLEVIEAHYLFGADYDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYTLSPD *****
SEQ ID NO:08 GLEVIEAHYLFGASYDDIEIVIHQPSIIHSLVETQDSSVNAQLGIPDMRLPILYTLSPWE *****
SEQ ID NO:20 GLEVIEAHYLFGAHYDDIEIVIHQPSIIHSMIETQDSSVLAQLGWPDMLPILYTLSPD *****
301 360

2
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REPLACEMENT
USSN 09/857,557
DuPont Docket No.: BB1297USPCT
Sheet 3 of 3

FIG. 1C

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* *** ***** * * * * * ***** *
SEQ ID NO:21 RVPCEVTWPRLDLCKLGLSLTFKKPDNVKPSMDLAVAAGRAGGTMTGVLSAANEKAVEM
SEQ ID NO:22 RVYCSEITWPRLDLCKVD-LPFFKCPDNREIPAMD LAYAAWKSRSTMTGVLSAANEKAVEM
SEQ ID NO:16 RIYCSEVTWPRLDLCKLGLSLTFRAPDNVKYPSMDLAVAAGRAGGTMTGVLSAANEKAVEL
SEQ ID NO:06 RIYCSEVTWPRLDLCKLGLSLTFKAPDNVKYPSMDLAVAAGRAGGTMTGVLSAANEKAVEL
SEQ ID NO:18 RIYCSEVTWPRLDLCKLGLSLTFKTPDNVKYPSMNLAFSAGRAGGTMTGVLSAANEKAVEM
SEQ ID NO:08 RIYCSEVTWPRLDLCKLGLSLTFYAPDDKFFSVNLCYAAGRAGGTMTGVLSAANEKAVEM
SEQ ID NO:20 RVYCSEVTWPRLDLCKLGLSLTFKAPDNVKYPSVDLAVAAGRAGGTMTGVLSAANEKAVEL
361
* *** * ***** * * * * * ***** *
SEQ ID NO:21 FIDEKISYLDIFKVVVELTCDKHRNELVTSPSLEEIVHYDLWAREYAANVQLSS-GARPV
SEQ ID NO:22 FIDEKIGYLDIFKVVVELTCDKRSKMAVSPSLEEIVHYDQWARDYAATV-LKSAGLSPA
SEQ ID NO:16 FIDEKISYLDIFKVVVELTCDKHRNELVTSPSLEEIVHYDLWARRYAASLOPSS-GLSPV
SEQ ID NO:06 FIDEKIGYLDIFKVVVELTCDKHRNELVTSPSLEEIVHYDLWARRYAASLOPST-GLSPV
SEQ ID NO:18 FIDEKISYWNLFKVVVELTCEKHQNELVSSPSLEEIVHYDLWARKYAASLODSSS-FTPI
SEQ ID NO:08 FVEEKISYLDIFKVVVELTCEHQNELVASPSLEEIVHYDQWARQVAAASLOKXFKCLNPI
SEQ ID NO:20 FIDEKISYLDIFKVVVELTCDKHRNELVTSPSLEEIVHYDQWARKEAANLQPSSSGRSPV
421
* *** * ***** * * * * * ***** *
SEQ ID NO:21 -----HA
SEQ ID NO:22 -----LV
SEQ ID NO:16 -----PA
SEQ ID NO:06 -----PV
SEQ ID NO:18 -----LA
SEQ ID NO:08 FLTYFRSWGCGLLATASIFCKCIVGSSIL
SEQ ID NO:20 -----LA
481
* *** * ***** * * * * * ***** *
SEQ ID NO:21 -----HA
SEQ ID NO:22 -----LV
SEQ ID NO:16 -----PA
SEQ ID NO:06 -----PV
SEQ ID NO:18 -----LA
SEQ ID NO:08 FLTYFRSWGCGLLATASIFCKCIVGSSIL
SEQ ID NO:20 -----LA
510
* *** * ***** * * * * * ***** *
SEQ ID NO:21 -----HA
SEQ ID NO:22 -----LV
SEQ ID NO:16 -----PA
SEQ ID NO:06 -----PV
SEQ ID NO:18 -----LA
SEQ ID NO:08 FLTYFRSWGCGLLATASIFCKCIVGSSIL
SEQ ID NO:20 -----LA
540
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